

WORKSHOP THE STUDY OF CALCULUS MATERIALS IN BSE MATHEMATICAL BOOKS CURRICULUM 13 FOR MADRASAH ALIYAH TEACHERS IN YOGYAKARTA

by Atmini Dhoruri, Hartono, Himmawati Puji Lestari, Kus Prihantoso Krisnawan, Fitriana Yuli Saptaningtyas, dan Nikenasih Binatari

ABSTRACT

In relation to the teacher's professional pedagogical competencies and teaching materials, the teacher is deemed necessary to examine in depth the contents of a book that is used as a teacher's handbook and student learning resources. Mastery of the contents of a textbook will influence and support the success of the learning process. The teacher should master the material in the textbook. If there is a conceptual error in a material in a textbook and a teacher does not realize it, it will certainly lead to misconceptions in students. Therefore, the teacher needs to review the textbook. Furthermore, technological developments and educational paradigms require teachers to continue to develop their competencies. Teachers should be able to create learning innovations, how to teach students. One of them is by utilizing information technology-based learning media. Therefore, the service team views the need to conduct a workshop to accommodate MA teachers in reviewing the textbooks they use and optimizing geogebra media for graphic visualization in learning. This activity was attended by 67 MA mathematics teachers in DIY. The results of this activity were participants who enthusiastically participated in all training events. From the results of the questionnaire given, it can be seen that the training in studying mathematics textbooks and geogebra optimization for learning media is needed by teachers and is quite easy to implement in schools.

Kata Kunci: *Workshop, Study, Calculus, BSE, Curriculum 13, MA*